

Spring Term

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	HALF TERM
Topic	Treasure Box. An introduction to Timber based materials	Treasure Box. An introduction to Timber based materials	Treasure Box. An introduction to Timber based materials	Treasure Box. An introduction to Timber based materials	Treasure Box. An introduction to Timber based materials	Treasure Box. An introduction to Timber based materials	
Challenge Objective and Content (for all learners)	Designing the shape of the Treasure box and how lid will look and function. Drawing and shading skills. Challenge: Can you think of a range of ideas and communicate clearly through drawing?	Designing with focus on annotation. Introduction to planning the making. Challenge: Can you add sentences which explain your ideas in more detail and identify problems/ solutions?	Planning of making. Identify the order of production and the tools required. Challenge: What are the correct steps when making the treasure box and what tools will you need?	Manufacturing: Introduction to the making. Demonstration of marking out tools and recap of sawing / drilling techniques Challenge: How will you use the saw/ drill accurately to make a successful box?	Manufacturing: Making central part of box. Challenge: How will you use the saw/ drill accurately to make a successful box?	Manufacturing: Making central part of box. Challenge: How will you use the saw/ drill accurately to make a successful box?	
Inspire Opportunities	How is 3D drawing a more useful way of communicating your ideas?	Can you use annotation to link back to the needs of the client and the customer?	What quality control and quality assurance measures can you plan which will ensure your final Block Bot is like your plan?	What strategies can you use to plan for accuracy?	What does "working within tolerance mean"?	Can you apply your previous knowledge to avoid mistake and work within tolerance?	
Assessment Opportunities	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by Teacher and Pupil as a mixture of formative and self-assessment throughout the activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	
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	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	EASTER
Topic	Treasure Box. An introduction to Timber based materials	Treasure Box. An introduction to Timber based materials	Treasure Box. An introduction to Timber based materials	Treasure Box. An introduction to Timber based materials	Treasure Box. An introduction to Timber based materials	Treasure Box. An introduction to Timber based materials	
Challenge Objective and Content (for all learners)	Pause manufacture for Lid Development. Pupils introduced to concept of modelling and then applying this to explore different ways lid could look/ function. (pivot hinge/ traditional hinges/ choice of materials) Challenge: Can you develop one alternative lid idea to the one you have been shown?	Manufacturing the lids based on the new knowledge from the modelling lesson. Demonstration of band facer. Challenge: Can you use knowledge from the modelling lesson to make a unique and interesting lid?	Manufacture of treasure box Challenge: How will you use the tools and processes accurately to make a successful box?	Manufacture of treasure box. Demonstration of how to make the pivot hinge and stopper Challenge: How will you use the tools and processes accurately to make a successful box?	Manufacture of treasure box. Finishing techniques. Sanding and finishing boxes Challenge: What preparation/ techniques could you use to make sure your box is finished to a high standard?	Manufacture of treasure box. Demonstration of finishing techniques – paint/ oil. Challenge: What preparation/ techniques could you use to make sure your box is finished to a high standard?	
Inspire Opportunities	How and why is hand modelling / CAD modelling useful?	Can you develop your box so it challenges your making skills.	How are you going to plan for accuracy?	How are you going to plan for accuracy?	What QC checks could you make to check the standard of your box?	Why is a high-quality finish important to the client and the customer?	
Assessment Opportunities	Peer feedback: pupils will ask a friend to comment on their lid design. Header Sheet will be used by Teacher and Pupil as a mixture of formative and self-assessment throughout the activities.	Header Sheet will be used by Teacher and Pupil as a mixture of formative and self-assessment throughout the activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	

